

900 Hanna Building 1422 Euclid Avenue Cleveland, Ohio 44115 216/621-5200

## NORTH AMERICAN REFRACTORIES PRODUCT SAFETY DATA SHEET

MANUFACTURER

MSDS # 3044-00

NORTH AMERICAN REFRACTORIES

Vendor:

Emergency Phone Number East (814) 236-3890 (415) 432-4741 West

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Date Issued: 10/24/85 Date Revised: 10/14/85

Product Type: Refractory Castable / Gun Material

Trade Name: R-374 CASTABLE

\*\*\*\*\*\*\* SECTION I - PRODUCT IDENTIFICATION

Chemical Name: Fireclay Castable Chemical Family: A1203, SiO2, CaO

\*\*\*\*\*\*\*\*\*\* SECTION II - CHEMICAL COMPOSITION \*\*\*\*\*\*\*

Hazardous Ingredients: CAS Number: PCT:

Crystalline Silica N/A less than 25%

Other Ingredients: CAS Number: PCT:

Alumina Silicate 66402-68-4 75% less than Hydrous Alumina Silicate 1332-58-7 less than 10% Hydraulic Setting Cement 12005-57-1 less than 35%

\*\*\*\*\*\* SECTION III - PHYSICAL DATA \*\*\*\*\*\*\*\*\*\*

Appearance and Odor: Tan, granular, dry mixture, odorless

\*\*\*\*\*\* SECTION IV - FIRE AND EXPLOSION HAZARD \*\*\*\*\*\*\*\*\*\*\*

Flammability: This product is non-flammable and will not support

combustion.

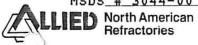
SECTION V - HEALTH HAZARD

Threshold Limit Value: For respirable dust: 10 divided by (%Qtz. + 2)

expressed as mg/m3

Effects of Overexposure: Cement may cause irritation to skin and eyes.

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Chronic exposure to dust could contribute to silicosis.

Emergency and First Aid Data:

Eyes: Flush with water and get medical help. Eyes: Flush with water for 15 minutes and get

medical help.

\*\*\*\*\*\*\*\* SECTION VI - REACTIVITY DATA

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Stability and Reactivity: This product is stable and non-reactive.

\*\*\*\*\*\* SECTION VII - SPILL AND LEAK PROCEDURES

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Steps to be Taken in Case of a Spill:

Avoid generating dust exposure during cleanup.

Waste Disposal Method: Dispose of material according to local, state or federal regulations and as final used condition of

the product dictates.

\*\*\*\*\*\*\*\*\* SECTION VIII - INDUSTRIAL HYGIENE INFORMATION \*\*\*\*\*

Ventilation: Local exhaust recommended to maintain exposures

below TLV.

Respiratory Protection: Approved dust type for exposures above TLV.

Protective Gloves: Impervious gloves recommended.

Eye Protection: Recommended

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SECTION IX - SPECIAL PRECAUTIONS

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Special Precautions: Avoid dust generation.

Precautionary Labeling: Product contains crystalline silica and

hydraulic setting cement

WARNING: Prolonged inhalation of product dust may cause delayed lung injury (silicosis) Contact may cause irritation to eyes and skin.